Record Nr.	UNINA9910457229203321
Titolo	Current trends in turbulence research [[electronic resource] /] / edited by Herman Branover, Michael Mond, Yeshajahu Unger
Pubbl/distr/stampa	Was[h]ington, D.C., : American Institute of Aeronautics and Astronautics, c1988
ISBN	1-60086-583-6 1-60086-364-7
Descrizione fisica	1 online resource (476 p.)
Collana	Progress in astronautics and aeronautics ; ; v. 112
Altri autori (Persone)	BranoverHerman <1931-> MondMichael UngerYeshajahu
Disciplina	629.1 s 629.132/32
Soggetti	Turbulence Electronic books.
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	"Technical papers from the proceedings of the Fifth Beer-Sheva International Seminar on Magnetohydrodynamic Flow and Turbulence, Ben-Gurion University of Negev, Beer-Sheva, Israel, March 2-6, 1987, and subsequently revised for this volume."
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	""Cover""; ""Title""; ""Copyright""; ""Table of Contents""; ""Preface""; ""Coherent Structures: Their Measurements and Applications""; ""Control of Plane Mixing Layer: Some Novel Experiments""; ""Competing Instabilities in Rayleigh-Benard Convection""; ""Experimental Investigation of the Two-Dimensional Inverse Energy Cascade""; ""Turbulence Pecularities Caused by Interference of Magnetic Fields with the Energy Transfer Phenomena""; ""Accelerated Mixing Layer""; ""Turbulent Vortex Ring and Entrainment Mechanism"" "Measurements of Fluctuations of Thermodynamic Variables and Mass Flux in Supersonic Turbulence"""Topological Approach to Problems of Vortex Dynamics and Turbulence""; ""Methods of Topological Description in MHD""; "MHD Turbulent Processes"; ""Plasma Diffusion and Relaxation Due to Low-Level Turbulence""; "Some Progress in Statistical Turbulence Theory"; ""Application of Renormalization Group Methods to Turbulence""; ""Large-Eddy Simulation of a Turbulent

1.

Channel Flow""; ""Large-Scale Flow Driven by the AKA Effect:Nonlinear Regime""; ""Large-Scale Instabilities in Nonlinear MHD Flows"" "Stability and Transitions of Boundary Layers"""Pseudoturbulent Solution of the Navier-Stokes Equations""; ""Spatially Coupled Oscillators and Associated Phase Equation: A Numerical Confrontation for the First Bifurcations""; ""Effects of Inertiogravity Waves and Rotation on Two-Dimensional Turbulence""; ""Large-Scale Dynamics and Transition to Turbulence in the Two-Dimensional Kolmogorov Flow""; ""Direct Simulation of Viscous Compressible Transitional Flows""; ""Numerical Simulations of Homogeneous Turbulence"" ""Sensitivity of Small Scale MHD Turbulence to Velocity-Magnetic Field Correlations"""Regularizing Effect of a Strong Magnetic Field""; ""MHD Redistribution of Three-Dimensional Turbulence"; ""Author Index""